

CURRICULUM VITAE

PERSONAL DATA

Name: Sanjay Saint, MD, MPH

EDUCATION

1983-1988	Undergraduate, University of California, Irvine BA (Political Science), BS (Biology)
1988-1992	UCLA School of Medicine, MD
1996-1998	University of Washington School of Public Health, MPH

POSTDOCTORAL TRAINING

1992-1993	Internship, University of California, San Francisco - San Francisco, California, categorical medicine
1993-1995	Residency, University of California, San Francisco - San Francisco, California, categorical medicine
1995-1996	Chief Medical Resident, University of California, San Francisco (San Francisco VA Medical Center)
1996-1998	Fellowship, Robert Wood Johnson Clinical Scholars Program, University of Washington, Seattle, Washington

SENIOR POSTDOCTORAL TRAINING

None

ACADEMIC APPOINTMENTS

1995-1996	Clinical Instructor, Department of Medicine, University of California, San Francisco School of Medicine
1998-1999	Lecturer, Department of Internal Medicine, Division of General Medicine, University of Michigan Health System, Ann Arbor, Michigan
1999-2002	Assistant Professor of Medicine, Department of Internal Medicine, Division of General Medicine, University of Michigan Health System, Ann Arbor, Michigan

2002-present

Associate Professor of Medicine (with tenure), Department of Internal Medicine, Division of General Medicine, University of Michigan Health System, Ann Arbor, Michigan

ACADEMIC ADMINISTRATIVE APPOINTMENTS

Director, Patient Safety Enhancement Program, Ann Arbor VA Medical Center & University of Michigan Health System

CLINICAL/HOSPITAL APPOINTMENTS

Ann Arbor VA Medical Center
University of Michigan Medical Center

SCIENTIFIC ACTIVITIES

Editorial Boards

American Journal of Infection Control
Agency for Healthcare Research and Quality (AHRQ) Web Morbidity & Mortality Rounds
American Journal of Medicine
Journal of Patient Safety

Study Sections

CDC – Chair, Applied Research on Antimicrobial Resistance Study Section (July 2004)
Agency for Healthcare Research and Quality – SBIR (Ad hoc Reviewer)
Blue Cross Blue Shield of Michigan Foundation Study Section (Grants Advisory Panel)
National Institute on Aging (NIA/NIH) – site visit member for University of Chicago P01 grant, 2003 and 2004
Seattle VA Medical Center's Epidemiological Research Information Center Pilot Grants (Ad hoc Reviewer)
The Physicians' Services Incorporated Foundation (Ad hoc Reviewer)

Journal Section Co-Editor

"Current Methodological Concepts" - American Journal of Infection Control
"Quality Grand Rounds" – Annals of Internal Medicine

Journal Reviewer

Academic Medicine
American Journal of Infection Control
American Journal of Managed Care
American Journal of Medicine
American Journal of Respiratory and Critical Care Medicine
American Journal of Respiratory Medicine
Annals of Internal Medicine
Antimicrobial Agents and Chemotherapy
Archives of Internal Medicine

Archives of Pediatrics and Adolescent Medicine
Clinical Infectious Diseases
Diabetologia
European Journal of Clinical Microbiology and Infectious Diseases
Infection Control and Hospital Epidemiology
Intensive Care Medicine
Journal of Clinical Epidemiology
Journal of Clinical Outcomes Management
Journal of General Internal Medicine
Journal of Infectious Diseases
Journal of the American Board of Family Practice
JAMA
Lancet
Medical Care
Pharmacoepidemiology and Drug Safety
The Joint Commission Journal on Quality and Safety
Urology

GRANT SUPPORT

Current

Principal Investigator, Translating Nosocomial Infection Research into Practice, 7/1/04 – 6/30/07; Advanced Career Development Award – VA Health Services Research and Development - \$480,000.

Co-Principal Investigator, Targeting Interventions to Reduce Errors. 9/01 – 9/29/05; National Institutes of Health (Agency for Healthcare Research and Quality) - \$600,000.

Co-Investigator, Hartford Foundation / Society of General Internal Medicine, “Collaborative Center for Research and Education in the Care of Older Adults,” 1/03 – 12/04 - \$91,000.

Co-Investigator, Toward a Safety Culture: Reducing Nosocomial Infections. 10/1/03 – 8/30/05; Agency for Healthcare Research and Quality (Principal Investigator of subcontract from University of Cincinnati) - \$61,921.

Co-Principal Investigator, Translating Infection Prevention Evidence into Practice. 9/1/04 – 3/31/08; VA Health Services Research and Development - \$799,655.

Pending

Principal Investigator, Infection Risk of Urinary Collection Strategies. 4/1/05 – 6/30/06; National Institutes of Health/NIDDK - \$306,000.

Co-Investigator, Hospitalists as Emerging Leaders in Patient Safety (HELPS) Consortium of Southeastern Michigan: Targeting Few to Affect Many. 12/1/04 – 11/30/06; Blue Cross/Blue Shield Foundation of Michigan - \$117,067.

Co-Investigator, Hospital Volume and Coronary Artery Bypass Graft Mortality in Men and Women. 4/1/05 – 03/31/07. National Institutes of Health - \$306,000.

Past

Principal Investigator, Enhancing Patient Safety by Reducing Catheter-Related Infections. VA HSR&D Career Development Award, 7/01 – 6/04. Department of Veterans Affairs - \$433,440.

Co-Investigator, Quality Grand Rounds. 6/1/03 – 6/30/04. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$30,000.

Principal Investigator, Enhancing Patient Safety by Reducing Inappropriate Urinary Catheterization. 5/01 – 4/04. Blue Cross/Blue Shield of Michigan Foundation - \$121,570.

Principal Investigator, Preventing Urinary Tract Infection using Silver-Coated Urinary Catheters: A Cost-Effectiveness Analysis. 12/97 – 6/99; Association for Practitioners of Infection Control - \$4,680.

Co-Principal Investigator, VA Merit Review: Risk Factors for Nosocomial Bacteremia Related to Urinary Tract Infection: A Case-Control Study. 10/97-10/00; VA Epidemiologic Research Information Center (ERIC) Grant - \$61,993.

Co-Principal Investigator, Minocycline/Rifampin versus Chlorhexidine/Silver Sulfadiazine Coated Central Venous Catheters: A Cost-effectiveness Analysis. 1/00 – 12/00; Association for Practitioners of Infection Control - \$8,964.

Co-Principal Investigator, Chlorhexidine versus Povidone-Iodine Solution for Central Venous Catheter Site Care: A Meta-analysis and Cost-effectiveness Analysis. 1/00 – 12/00; Association for Practitioners of Infection Control, STERIS Focused Research Project - \$8,442.

Co-Investigator, Quality Grand Rounds. 11/00-4/01. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$10,970.

Co-Principal Investigator, Condom versus Indwelling Catheter Evaluation (CONVINCE) Trial. 7/97 - 6/01. Mentor Corporation - \$35,000.

Co-Investigator, The Discharge Navigator: Facilitating the Transition from Hospital to Outpatient Care via a New Web Infrastructure. 11/00 - 11/01. AETNA Quality Care Research Fund - \$116,539.

Principal Investigator, The Clinical and Economic Effects of Antibiotic Therapy in Acute Exacerbation of Chronic Bronchitis. 11/99 – 6/02; AETNA Quality Care Research Fund - \$243,900.

Principal Investigator, Suprapubic vs. urethral catheterization: A meta-analysis. 1/1/02 - 12/31/02; The Research Foundation for Prevention of Complications Associated with Health Care - \$10,000.

Co-Investigator, Improving Patient Safety in Hospitals: Implementing Change at Ground Zero. 2/1/02-1/31/03; Blue Cross Blue Shield of Michigan Foundation - \$114,119.

Co-Investigator, Quality Grand Rounds. 11/16/01 – 1/31/03. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$22,090.

Co-Investigator, Long-Term Requirements of Elderly Patients Undergoing Coronary Artery Bypass Grafting Surgery. 7/02 – 6/03; University of Michigan Geriatrics Center - \$33,000.

Co-Principal Investigator, Long-Term Requirements of Elderly Patients Undergoing Coronary Artery Bypass Grafting Surgery in Michigan. (Principal Investigator – Kenneth M. Langa, MD, PhD), 10/03 – 9/04 - \$50,000.

CERTIFICATION AND LICENSURE

Board Certification: National Board of Medical Examiners - Part I - June, 1990
 National Board of Medical Examiners - Part II - September, 1991
 National Board of Medical Examiners - Part III - March, 1993
 Diplomate of the American Board of Internal Medicine, 1995

Medical Licensure: California State License, 1993
 Washington State Medical License, 1996
 Michigan State License, 1998

MILITARY SERVICE

None

HONORS & AWARDS

1987	Phi Beta Kappa Honor Society
1987	Chancellor's Scholarship
1988	Jane Unzelman Scholarship
1988	Lauds & Laurels "Senior of the Year"
1988	<i>Magna cum laude</i> in Political Science
1988	<i>Magna cum laude</i> in Biology
1992	Alpha Omega Alpha Honor Society
1993	Julius Krevans Award - UCSF Intern of the Year
1996	UCSF School of Medicine Teaching Award
1998	National VA HSR&D Award for Best Abstract in Post-doctoral Category
1998	Society of General Internal Medicine National Meeting – Mack Lipkin Sr. Award for Outstanding Abstract in Fellows Category
1999	National VA HSR&D Award for Best Abstract in Post-doctoral Category
1999	Marquis Who's Who in Medicine and Healthcare
1999	University of Michigan Faculty Educator Academic Bonus
2000	Token of Appreciation from Medical Students
2000	Blue Cross Blue Shield of Michigan Foundation, Excellence in Research Award for Physicians
2000	University of Michigan Faculty Educator Academic Bonus
2001	National Association of Inpatient Physicians - Young Investigator of the Year Award

2001	National Association of Inpatient Physicians 4 th Annual National Meeting - Best Abstract Award
2001	Department of Internal Medicine Richard D. Judge Award for Excellence in Medical Student Teaching
2001	Token of Appreciation from Medical Students
2001	"Top 10% Reviewer" - Annals of Internal Medicine
2002	University of Michigan Medical School "The Senior Award" (given to one medical school faculty member per year for excellence in teaching)
2002	University of Michigan Medical School "Silver Shovel Award" (teaching award given to a single medical school faculty member per year)
2002	Token of Appreciation from Medical Students
2002	S. Frederick Rabiner, M.D. Visiting Professorship in Medicine, Legacy Health System, Portland, Oregon
2003	Department of Internal Medicine's H. Marvin Pollard Award for Outstanding Resident Teaching
2003	Doctor's in America: 2003-2004
2004	Kaiser Permanente Award for Excellence in Teaching, University of Michigan

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

American College of Physicians
Association of Professionals in Infection Control
Central Society for Clinical Research (Chair, Health Care Research/Epidemiology)
Infectious Diseases Society of America
Society of Hospital Medicine (Past Chair, Research Committee; Past Chair, Scientific Abstract Review Committee)
Society of General Internal Medicine
Society for Healthcare Epidemiology of America

TEACHING ACTIVITIES

National

1995-1996	Weekly teaching rounds with University of California, San Francisco (UCSF) third-year medical students
1995-1996	Facilitator, UCSF Department of Medicine – Daily Resident Report: 6 months
1995-1996	Facilitator, UCSF Department of Medicine – Weekly Intern Report: 6 months
1995-1996	Co-Founder and Moderator, UCSF Department of Medicine Housestaff Clinical Epidemiology Club monthly meeting
1995-1996	Organizer and Co-Developer, Intensive Care Unit Course Curriculum for UCSF Medical Housestaff
1995-1996	Co-Attending, Intensive Care Unit: 3 months at UCSF/San Francisco VA Medical Center
1995-1996	Attending, General Medicine Clinic: Weekly at UCSF/San Francisco VA Medical Center

1995-1996	Attending, Medical Consultation: 3 months at UCSF/San Francisco VA Medical Center
1995-1996	Attending, Medical Ward: 2 months at UCSF/San Francisco VA Medical Center
1997-1998	Attending, Medical Ward: 1 month at University of Washington/Seattle VA Medical Center
2001	Member of USMLE Step 3 Standard Setting Panel, National Board of Medical Examiners, Philadelphia, PA
2000-2001	Member of PhD Supervisory/Dissertation Committee for Nathorn Chaiyakunapruk, School of Pharmacy, University of Washington, Seattle, WA

University of Michigan

1998-2000	Clinical Skills Instructor for University of Michigan 2nd medical students
July 1998	Faculty, Introduction to the Patient for first-year medical students, University of Michigan School of Medicine
Dec 1998	Attending, General Internal Medical Ward: University of Michigan Medical Center
Mar 1999	Attending, General Internal Medical Ward: University of Michigan Medical Center
Mar 1999	Intern Report - University of Michigan Department of Internal Medicine
Apr 1999	Session leader -- Clinical epidemiology, study design, and evidence-based medicine: University of Michigan second-year medical students
May 1999	Attending, Medical Ward: Ann Arbor VAMC
May 1999	Intern Report - University of Michigan Department of Internal Medicine
July 1999	Attending, General Internal Medical Ward: University of Michigan Medical Center
Aug 1999	Intern Report – University of Michigan Department of Internal Medicine
Aug 1999	Resident Report – University of Michigan Department of Internal Medicine
Aug 1999	Resident Report – University of Michigan Department of Internal Medicine
Sept 1999	Resident Report – Ann Arbor VA Medical Center
Oct 1999	Attending, Medical Ward: Ann Arbor VA Medical Center
Nov 1999	Chief Rounds – Ann Arbor VA Medical Center
Dec 1999	Resident Report – University of Michigan Department of Internal Medicine
Jan 2000	Resident Report – University of Michigan Department of Internal Medicine
Jan 2000	Intern Report – Ann Arbor VA Medical Center
Jan 2000	Resident Report - Ann Arbor VA Medical Center
Mar 2000	Resident Report – University of Michigan Department of Internal Medicine

April 2000	Intern Report – University of Michigan Department of Internal Medicine
April 2000	Attending, General Internal Medical Ward: University of Michigan Medical Center
Aug 2000	Attending, Medical Ward: Ann Arbor VA Medical Center
Sept 2000	Resident Report – University of Michigan Department of Internal Medicine
Oct 2000	Resident Report – University of Michigan Department of Internal Medicine
Dec 2000	Attending, General Internal Medical Award: University of Michigan Medical Center
Dec 2000	Intern Report – University of Michigan, Department of Internal Medicine
Feb 2001	Attending, Medical Ward: Ann Arbor VA Medical Center
April 2001	Attending, General Internal Medical Award: University of Michigan Medical Center
May 2001	Resident Report – University of Michigan Department of Internal Medicine
June 2001	Attending, General Internal Medical Award: University of Michigan Medical Center
2001-Present	Weekly preceptor rounds with third year medical students
July 2001	Attending, Medical Ward: Ann Arbor VA Medical Center
Aug 2001	Intern Report - Ann Arbor VA Medical Center
Sept 2001	Resident Report - University of Michigan Department of Internal Medicine
Sept 2001	Discussant, M & M Conference - University of Michigan Department of Internal Medicine
Nov 2001	Resident Report - University of Michigan Department of Internal Medicine
April 2002	Attending, Medical Ward: Ann Arbor VA Medical Center
Aug 2002	Attending, Medical Ward: Ann Arbor VA Medical Center
March 2003	Attending, Medical Ward: Ann Arbor VA Medical Center
Aug 2003	Leader, M1 Students – Medical Decision Making Small Group Session
Aug 2003	Attending, Medical Ward: Ann Arbor VA Medical Center
April 2004	Resident Report – University of Michigan Department of Internal Medicine
July 2004	Attending, Medical Ward: Ann Arbor VA Medical Center

EXTRAMURAL INVITED PRESENTATIONS

International

"Preventing Catheter-Related Urinary Tract Infection: Are Silver Catheters Useful". 51st Central Japanese Urological Association Convention, Osaka, Japan, November 2001.

“Preventing Device-Related Infections: Exploring Collaborative Opportunities.” Thames Valley University, London, England, September 2002.

“What Effect Does Increasing Inpatient Time Have On Outpatient-Oriented Internist Satisfaction?” Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, May 2003.

“Enhancing Patient Safety Through Infection Control.” Infection Control Association of the British Isles, Telford, England, September 2003.

“The Use of a Urinary Catheter Reminder to Reduce Urinary Catheterization in Hospitalized Patients.” International Society for Pharmacoeconomics and Outcomes Research, Barcelona, Spain, November 2003.

“How Advanced Infection Control Technologies Can Benefit Both Patients and Hospitals.” Press Seminar on the Japanese Healthcare System, Tokyo, Japan, March 2004.

“Enhancing Patient Safety by Preventing Hospital Acquired Infection.” The John Radcliffe Hospital/Oxford University, Oxford, England, June 2004.

“Preventing Hospital-Acquired Infection.” Department of Microbiology & Infectious Diseases Seminar, The John Radcliffe Hospital/Oxford University, Oxford, England, June 2004.

National

“Chronic Obstructive Pulmonary Disease & the Massachusetts General Hospital.” Medical Staff Conference – UCSF/San Francisco VA Medical Center, June 1995.

“Risk Reduction in the Intensive Care Unit.” UCSF Medical Grand Rounds – UCSF/San Francisco VA Medical Center, June 1996.

“The Basics of Meta-analysis.” University of Washington Robert Wood Johnson Clinical Scholars Program, July 1997.

“Vasculitis: An Overview.” Chief of Medicine Rounds – University of Washington/ Seattle VA Medical Center, September 1997.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” 16th VA Health Services Research & Development National Conference, Washington DC, February 1998.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” Society of General Internal Medicine 21st Annual Meeting, Chicago, IL, April 1998.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” Robert Wood Johnson Clinical Scholars Program National Meeting, Fort Lauderdale, FL, November 1998.

“The Clinical and Economic Consequences of using Antiseptic-impregnated Central Venous Catheters to Prevent Catheter-related Infections.” 17th VA Health Services Research & Development National Conference, Washington DC, February 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” 17th National VA HSR&D Conference, Washington DC, February 1999.

“How to Get an Academic Job.” (Part of the pre-course entitled “A General Internal Medicine Fellowship Survival Course”.) Society of General Internal Medicine 22nd Annual Meeting, San Francisco, CA, April 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” Society of General Internal Medicine 22nd Annual Meeting, San Francisco, CA, April 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” Association of Practitioners of Infection Control and Epidemiology Annual Meeting, Baltimore, MD, June 1999.

“ICU Prophylaxis.” Management of the Hospitalized Patient - UCSF National Conference. San Francisco, CA, September 1999.

“The Clinical and Economic Benefits of Antiseptic-Impregnated Central Venous Catheters for the Prevention of Catheter-Related Bloodstream Infection.” The Robert Wood Johnson Clinical Scholars Program National Meeting, Ft. Lauderdale, FL, November 1999.

“The Use of Cost-effectiveness Analysis in Infection Control.” 4th Decennial International Conference on Nosocomial and Healthcare-Associated Infections, Atlanta, GA, March 2000.

“How to Get an Academic Job.” (Part of the pre-course entitled, “A General Internal Medicine Fellowship Survival Course.”) Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.

“Being a Hospitalist Researcher.” (Part of the pre-course entitled, “Hospital Medicine.”) Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.

“Enhancing Patient Safety: The University of Michigan Experience.” Georgia Healthcare Leadership Council. Atlanta, GA, November 2000.

“Lack of Physician Awareness of Urinary Catheters in their Patients.” The Robert Wood Johnson Clinical Scholars Program National Meeting, Ft. Lauderdale, FL, November 2000.

“Do Physicians Examine Patients Under Contact Precautions Less Frequently?” The National Association of Inpatient Physicians 4th Annual National Meeting, Atlanta, GA, March 2001.

“Evaluation and Management of Acute Uncomplicated UTI in Women.” American College of Physicians/American Society of Internal Medicine National Meeting, Atlanta, GA, March 2001.

“Applying Health Services Research to Prevent Nosocomial Infections.” Association for Professionals in Infection Control and Epidemiology National Conference. Seattle, WA, June 2001.

“Error Prevention in Management of Urinary Tract Infections.” The Infectious Diseases Society of America’s National Conference on Patient Safety in Infectious Diseases, Chicago, IL, July 2001.

Visiting Professorship, Cleveland Clinic, Cleveland, OH, September 2001.

“Enhancing Patient Safety by Preventing Catheter-related Infection.” Cleveland Clinic Foundation Medical Grand Rounds, Cleveland, OH, September 2001.

“Quality Grand Rounds: A Case of Nosocomial Hypoglycemia.” Improving Patient Safety and Decreasing Errors in the Hospital, University of California, San Francisco, CA, October 2001.

“Enhancing Patient Safety by Preventing Hospital-acquired Infections.” Management of the Hospitalized Patient, University of California, San Francisco, CA, October 2001.

“Device Associated Adverse Events: Impact and Prevention.” National Patient Safety Conference sponsored by the CDC, Baltimore, MD, January 2002.

"The Clinical and Economic Benefits of Chlorhexidine Compared to Povidone Iodine Solution." VA HSRD Conference, Washington, DC, February 2002.

"Pathogen-specific Issues in Acute Exacerbation of Chronic Bronchitis." (Part of symposium entitled "Contemporary Management of Acute Bacterial Exacerbation of Chronic Bronchitis") PRI-MED South, Fort Lauderdale, FL, February, 2002.

Visiting Professorship, University of Nebraska Medical Center, Omaha, Nebraska, March 2002.

"Enhancing Patient Safety by Preventing Urinary Catheter and Vascular Catheter-related Infection." University of Nebraska Medical Grand Rounds, Omaha, Nebraska, March 2002.

"How to Get an Academic Job." (Part of the pre-course entitled "A General Internal Medicine Fellowship Survival Course.") Society of General Internal Medicine 25th Annual Meeting, Atlanta, Georgia, May 2002.

"The Clinical and Economic Benefits of Chlorhexidine Compared to Povidone Iodine Solution." Society of General Internal Medicine 25th Annual Meeting, Atlanta, Georgia, May 2002.

"Enhancing Patient Safety by Preventing Device Related Infection." Association of Professionals in Infection Control, Greater Detroit Chapter, Providence Hospital, Southfield, Michigan, July 2002.

"Evidence-Based Management of Acute Uncomplicated UTI: Is Relief Only a Phone Call Away?" Legacy Health System, Portland, Oregon, September 2002.

"Performing Clinical Research as a Resident: The Do's and Don'ts." Legacy Health System, Portland, Oregon, September 2002.

"Enhancing Patient Safety by Reducing Catheter-Related Infection." Legacy Health System, Portland, Oregon, September 2002.

"Hospitalists: Is the Juice Worth the Squeeze?" Legacy Health System, Portland, Oregon, September 2002.

"Meta-Analysis: An Overview." Legacy Health System, Portland, Oregon, September 2002.

"Prevention Strategies in the ICU." University of California, San Francisco, California, October, 2002.

"Patient Safety Through Infection Control." Association of Professionals in Infection Control, Chicago Chapter, Chicago, Illinois, October 2002.

"The University of Michigan's Patient Safety Enhancement Program: Translating Research into Practice." Michigan Health and Safety Coalition, South Lyon, Michigan, January 2003.

"Enhancing Patient Safety by Preventing Catheter Related Infections." Medical Grand Rounds, Oakwood Hospital & Medical Center, Dearborn, Michigan, January 2003.

"Translating Nosocomial Infection Prevention into Practice." AHRQ 2nd Annual National Patient Safety Conference, Washington DC, March 2003.

"Clinical Practice Strategies to Enhance Patient Safety." Chelsea Hospital, Chelsea, MI, March 2003

"Which Site Disinfectant Should We Use for Vascular Catheter Site Care?" Society for Healthcare Epidemiology of America, Arlington, VA, April 2003.

"Enhancing Patient Safety by Reducing Hospital-Acquired Infection." UCSF Department of Medicine Grand Rounds, San Francisco, CA, September 2003.

“How to Get an Academic Job.” UCSF Department of Epidemiology Clinical Research Course, San Francisco, CA, September 2003.

“Overview of Nephrology.” UCSF 3rd Year Medical Student Seminar, San Francisco, CA, September 2003.

“Using Evidence-Based Medicine to Manage Acute UTI in Women.” St. Mary Mercy Hospital Grand Rounds, Livonia, MI, September 2003.

“Catheter-Related Blood Stream Infections.” AHRQ Patient Safety Collaborative Kickoff, Cincinnati, OH, November 2003.

“Device-Related Patient Safety.” Michigan Society for Infection Control, Lansing, MI, November 2003.

“Recent Advances in Clinical Medicine.” Visiting Professor, Bon Secours Cottage Health Services, Grosse Pointe, MI, January 2004.

“The Do’s and Don’ts of Conducting Research as a Clinician: Tales from the Trenches.” St. Joseph Mercy Health System, 6th Annual Evidence-Based Practice Conference: Shaping the Environment, Ann Arbor, MI, March 2004.

“From Quality Improvement to Research.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

“The Do’s and Don’ts of Performing Clinical Research.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

ICU Prophylaxis.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

“Reducing the Burden of Nosocomial Urinary Tract Infections Using Antimicrobial-impregnated Urethral Catheters.” Surgical Infection Society 24th Annual Meeting, Indianapolis, IN, May 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Sparrow Health System, Lansing, MI, June 2004.

“The Economics of Controlling Infections Associated with Prosthetic Devices.” Fourth Annual Conference of the Center for Prostheses Infection (CPI) and the Multidisciplinary Alliance Against Device-Related Infections (MADRI), San Antonio, TX, August 2004.

“The Rise and Rise of Infection Prevention and Control Programs.” St. John Macomb Hospital, Warren, MI, September 2004.

“Catheter-Related Blood Stream Infections – Incidence, Impact & Evidence Based Interventions.” AHRQ Patient Safety Collaborative Kickoff, Cincinnati, OH, September 2004.

“Preventing Hospital-Acquired Infection.” Medical Grand Rounds, University of Oklahoma, September 2004.

“The Do’s and Don’ts of Performing Research as a Clinician: Lessons from the Trenches.” Management of the Hospitalized Patient, University of California San Francisco, September 2004.

“Prevention Strategies in the ICU.” Management of the Hospitalized Patient, University of California San Francisco, September 2004.

“The Do’s and Don’ts of Conducting Research as a Resident: Tales from the Trenches” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Clinical Problem Solving – Don’t Know Much About History.” S. Frederick Rabiner, M.D.
Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” S. Frederick Rabiner, M.D.
Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Using Evidence-Based Medicine to Manage Acute UTI in Women.” S. Frederick Rabiner, M.D.
Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

University of Michigan

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 1998.

“Meta-analysis: An Overview” – Ann Arbor VA Health Services Research & Development Conference, September 1998.

“How to Get an Academic Job” – University of Michigan Robert Wood Johnson Clinical Scholars Program, September 1998.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection” -- University of Michigan Department of Internal Medicine Research Day, May 1999.

“Risk Reduction in the Medical ICU” – University of Michigan Department of Internal Medicine Noon Conference, June 1999.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 1999.

“The What, Why, and How of Meta-analysis” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 1999.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, October 1999.

“One Lunch Could Decide Your Future” – Medical Center Alumni Society Career Seminar Series, Internal Medicine Panel Discussion for First and Second Year Medical Students, October 1999.

“Telephone Management for Women with UTI” – Primary Care Conference, January 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2000.

“Clinical Problem Solving Revealed” - Seminars in Medicine, April 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, June 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2000.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, July 2000.

“Meta-analysis: The Why, What, and How” – University of Michigan National Institute of Health’s K30 Program, October 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, Oct 2000.

“The Nuts and Bolts of Obtaining an Academic Job” – University of Michigan Robert Wood Johnson Clinical Scholars Program, January 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, March 2001.

“Enhancing Patient Safety by Preventing Catheter-Related Infection” – Department of Internal Grand Rounds, March 2001.

“Preventing Catheter-Related Infections: Cost and Safety Issues” – Third Annual Evidence-Based Practice, Clinical Relevance and Practical Realities, March 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2001.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, July 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, January 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2002.

“Meta-analysis: The Why, What, and How” – University of Michigan National Institute of Health’s K30 Program, April 2002.

“Preventing Urinary and Vascular Catheter Infections” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Clinico Pathologic Conference” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Management of Acute UTI in Woman: Is Telephone Management Ready for Prime Time?” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Meta-analysis: The Why, What, and How” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, August 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, October 2002.

“Enhancing Patient Safety by Preventing Catheter-related Infections” – Improving Patient Safety in Hospitals: Turning Ideas into Action, November 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, May 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, October 2003.

“Prevention of Hospital-Acquired Infections” – 32nd Annual Spring Update in Internal Medicine, April 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2004.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, September 2004.

“Enhancing Patient Safety by Preventing Catheter-Related Infection” – Pulmonary and Critical Care Medicine, October 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2004.

“Meta Analysis Applications for Women’s Health” – OB/GYN Health Services Research Seminar, November 2004.

“Translating Nosocomial Infection Preventive Methods into Practice” – General Medicine Research Conference, November 2004.

OTHER PRESENTATIONS

None

COMMITTEE AND ADMINISTRATIVE SERVICE

1995-1996	Resident Review Committee, University of California, San Francisco
1995-1996	Intern Selection Committee, University of California, San Francisco
1995-1996	Chief Resident Selection Committee, University of California, San Francisco
1995-1996	Discharge Planning Committee, San Francisco VA Medical Center
1996-1998	University of Washington Robert Wood Johnson Clinical Scholars Program Visiting Professor Coordinator
1998-present	Internal Medicine, Intern Applicant Interviewer, University of Michigan
1998- present	Robert Wood Johnson Clinical Scholars Program Fellowship Applicant Interviewer, University of Michigan
1999 – 2000	Scientific Abstract Review Committee, National Association of Inpatient Physicians’ National Meeting
1999 – present	Co-Chair, Adverse Events Committee, Ann Arbor VA Medical Center
2000 – 2001	Chair, Research Committee – Research Foundation for Prevention of Complications Associated with Health Care
2000 – present	Member, Patient Safety Committee, University of Michigan Health System
2000 – 2001	Scientific Abstract Review Committee, National Association of Inpatient Physicians’ National Meeting

2001 – present	Member, Patient Safety and Quality Committee, National Association of Inpatient Physicians
2001 – present	Member, Annual Meeting Committee, National Association of Inpatient Physicians
2001 – 2004	Chair, Research Committee, National Association of Inpatient Physicians
2001 – 2002	Chair, Scientific Abstract Review Committee, National Association of Inpatient Physicians
2002 – present	Chair, Health Care Research/Epidemiology Central Society for Clinical Research
2003 – present	Member, Collaborative Health Studies Research Initiative
2002 – 2003	Member, University of Michigan Department of Medicine’s Clinical Research Working Group
2002 – 2003	Co-Chair, Society of General Internal Medicine Hospital Medicare Abstract Review Committee
2002 – 2003	Member, Society of General Internal Medicine Workshop Review Committee
2002 – 2003	Member, Society of General Internal Medicine Scientific Abstract Review Committee
2002 – 2003	Member, National Association of Inpatient Physicians Scientific Abstract Review Committee
2003 - present	Member, University of Michigan Medical School’s Conflict of Interest Review Board
2003 – present	Member, University of Michigan Medical School’s Admissions Committee
2003 – present	Member, Ann Arbor VA Medical Center’s Institutional Review Board
2003 – present	Member, Department of Internal Medicine Research Symposium Abstract Review Committee
2003 – present	Co-Chair, Society of Hospital Medicine – Society of General Internal Medicine Discontinuity of Care Task Force

2003 – 2004	Chair, Society of General Internal Medicine Hospital Medicine Abstract Review Committee
2003 – 2004	Member, Society of Hospital Medicine Scientific Abstract Review Committee
2004 – present	Chair, Society of Hospital Medicine Journal Task Force

PATENTS

None

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer-reviewed publications

1. **Saint S**, Bent S, Vittinghoff E, Grady D. Antibiotics in chronic obstructive pulmonary disease exacerbations: a meta-analysis. *JAMA*. 1995; 273:957-960.
2. **Saint S**, Go A, Frances C, Tierney LM. Case records of the Massachusetts General Hospital: A home-court advantage? *New Engl J Med*. 1995; 333(13):883-884.
3. Salzmann P, **Saint S**, Tierney LM. Mad cow disease: an opportunity for preventive medicine? *West J Med*. 1997; 167:417-419.
4. **Saint S**, Saha S, Tierney LM. Clinical Problem Solving: "A Square Peg in a Round Hole." *New Engl J Med*. 1998; 338:379-383.
5. **Saint S**, Matthay MA. Risk reduction in the intensive care unit. *Am J Med*, 1998; 105:515-523.
6. **Saint S**, Elmore J, Sullivan SD, Emerson S, Koepsell TD. The efficacy of silver alloy-coated urinary catheters in preventing urinary tract infection: A meta-analysis. *Am J Med*, 1998; 105:326-341.
7. **Saint S**, Veenstra DL, Sullivan SD. The use of meta-analysis in cost-effectiveness analysis: Issues and recommendations. *Pharmacoeconomics*, 1999; 15(1):1-8.
8. Veenstra DL, **Saint S**, Saha S, Lumley T, Sullivan SD. Efficacy of antiseptic-impregnated central venous catheters in preventing catheter-related bloodstream infection: A meta-analysis. *JAMA*, 1999; 281:261-267.
9. Saha S, **Saint S**, Tierney LM. Clinical Problem Solving: "A Balancing Act." *New Engl J Med*, 1999; 340(5):374-378.
10. **Saint S**, Lipsky BA. Preventing catheter-related bacteriuria: Can we? Should we? How? *Arch Intern Med*, 1999; 159:800-808.
11. **Saint S**, Scholes D, Fihn SD, Farrell R, Stamm WE. The effectiveness of a clinical practice guideline for the management of presumed uncomplicated urinary tract infection in women. *Am J Med*, 1999; 106:636-641.
12. Bent S, **Saint S**, Vittinghoff E, Gady D. Antibiotics in acute bronchitis: A meta-analysis. *Am J Med*, 1999; 107(1):62-67.

13. Veenstra DL, **Saint S**, Sullivan SD. Cost-effectiveness of antiseptic-impregnated central venous catheters to prevent catheter-related bloodstream infection. *JAMA*, 1999; 282(6):554-560.
14. Fisk DT, **Saint S**, Tierney LM. Clinical Problem Solving: "Back to the basics." *New Engl J Med*, 1999; 341:747-750.
15. **Saint S**, Atherton S, Lipsky, BA, McDonald L, Strausbaugh L. Controlling the spread of Vancomycin-resistant Enterococci with contact precautions: Time for a randomized trial? *Int J Infect Dis*, 1999; 3(4):179-180.
16. **Saint S**, Lipsky BA, Baker PD, McDonald LL, Ossenkop K. Urinary catheters: What type do men and their nurses prefer? *J Amer Geriatr Soc*, 1999; 47(12):1453-1457.
17. Saha S, Christakis DA, **Saint S**, Whooley MA, Simon SR. A survival guide for generalist physicians in academic fellowships: Part I. *J Gen Intern Med*, 1999; 14(12):745-749.
18. Saha S, **Saint S**, Christakis DA, Simon SR, Fihn SD. A survival guide for generalist physicians in academic fellowships: Part II. *J Gen Intern Med*, 1999; 14(12):750-755.
19. Gulati M, **Saint S**, Tierney LM. Clinical Problem-Solving: "Impatient inpatient care." *N Engl J Med*, 2000; 342(1):37-40.
20. **Saint S**, Christakis DA, Baldwin LM, Rosenblatt, R. Is hospitalism new? An analysis of Medicare data from Washington State in 1994. *Effect Clin Pract* 2000; 35-39.
21. **Saint S**. State of the Science: Clinical and economic consequences of nosocomial catheter-related bacteriuria. *Amer J Infect Control*, 2000; 28(1):68-75.
22. Ramsey SD, **Saint S**, Sullivan SD, Dey L, Kelley K, Bowdle TA. Clinical and economic effects of pulmonary artery catheterization in nonemergent coronary artery bypass graft surgery. *J Cardiothor Vasc Anesth*, 2000; 14(2):113-118.
23. **Saint S**, Veenstra DL, Lipsky BA. The clinical and economic consequences of nosocomial central venous catheter-related infection: Are antimicrobial catheters useful? *Infect Cont Hosp Epid*, 2000; 21(6):375-380.
24. Christakis DA, **Saint S**, Saha S, Elmore JG, Welsh DE, Baker P, Koepsell TD. Do physicians judge a study by its cover? *J Clin Epi*, 2000; 53:773-778.
25. **Saint S**, Veenstra DL, Sullivan SD, Chenoweth C, Fendrick AM. The potential clinical and economic benefits of silver alloy urinary catheters in preventing urinary tract infection. *Arch Intern Med*, 2000; 160:2670-2675.
26. **Saint S**, Wiese J, Amory J, Bernstein M, Patel U, Zemencuk J, Bernstein S, Lipsky B, Hofer T. Are physicians aware which of their patients have indwelling urinary catheters? *Am J Med*, 2000;109:476-480.
27. Chenoweth CE, **Saint S**, Martinez F, Lynch JP, Fendrick AM. Antimicrobial resistance in *Streptococcus pneumoniae*: Implications for patients with community-acquired pneumonia. *Mayo Clin Proc*, 2000; 75:1161-1168.
28. Nallamotheu B, Fendrick AM, Rubenfire M, **Saint S**, Bandekar R, Omenn GS. The potential clinical and economic effects of homocyst(e)ine lowering: A decision analysis. *Arch Intern Med*, 2000; 160:3406-3412.

29. **Saint S**, Christakis DA, Saha S, Elmore JG, Welsh DE, Baker P, Koepsell TD. Journal reading habits of internists. *J Gen Intern Med*, 2000; 15:881-884.
30. Lark RL, Chenoweth C, **Saint S**, Zemencuk JK, Lipsky BA, Plorde JJ. Four-year prospective evaluation of nosocomial bacteremia: epidemiology, microbiology, and patient outcome. *Diag Micro Infect Diseases*, 2000; 38:131-140.
31. Flaherty KR, **Saint S**, Fendrick AM, Martinez FJ. The spectrum of acute bronchitis: Using baseline factors to guide empirical therapy. *Postgrad Med* 2001; 109:39-47.
32. **Saint S**, Zemencuk JK, Chenoweth CE, Lipsky BA, Baker PD, Plorde JJ. The potential benefit of infectious diseases consultation in patients with community-acquired bacteremia. *J Clin Outcomes Manag* 2001; 8(2):25-32.
33. Nallamotheu BK, **Saint S**, Bielak LF, Sonnad SS, Peyser PA, Rubenfire M, Fendrick AM. Electron-beam computed tomography in the diagnosis of coronary artery disease. *Arch Intern Med* 2001; 161:833-838.
34. Lynch P, Jackson M, **Saint S**. Research priorities project, year 2000: Establishing a direction for infection control and hospital epidemiology. *Am J Infect Cont* 2001; 29(2):73-78.
35. **Saint S**, Flaherty KR, Abrahamse P, Martinez FJ, Fendrick AM. Acute exacerbation of chronic bronchitis: Disease-specific issues that influence the cost-effectiveness of antimicrobial therapy. *Clin Ther* 2001; 23(3):499-512.
36. Stern DT, **Saint S**, Tierney LM. Where have all the hours gone? *South Med J* 2001; 94(6):651-654.
37. Nallamotheu BK, **Saint S**, Koliass TJ, Eagle KA. Clinical Problem-Solving: "Of nicks and time." *New Engl J Med* 2001; 345(5):359-363.
38. Nallamotheu BK, **Saint S**, Saha S, Fendrick AM, Kelley K, Ramsey SD. Coronary artery bypass grafting in Native Americans: A higher risk of death compared to other ethnic groups? *J Gen Intern Med* 2001; 16(8):554-558.
39. Fendrick AM, **Saint S**, Brook I, Jacobs MR, Pelton S, Sethi S. Diagnosis and treatment of upper respiratory tract infections in the primary care setting. *Clin Ther* 2001; 23(10):1683-1706.
40. **Saint S**, Chenoweth C, Fendrick AM. The role of economic evaluation in infection control. *Am J Infect Cont* 2001; 29:338-44.
41. Lark L, **Saint S**, Chenoweth C, Zemencuk J, Lipsky B, Plorde J. Four-year prospective evaluation of community-acquired bacteremia: Epidemiology, microbiology, and patient outcome. *Diag Micro Infect Diseases* 2001; 41:15-22.
42. Nallamotheu BK, **Saint S**, Ramsey SD, Hofer TP, Vijan S, Eagle KA. The role of hospital volume in coronary artery bypass grafting: Is more always better? *J Am Coll Cardiol* 2001; 38(7):1923-30.
43. Langa KM, Fultz N, **Saint S**, Kabeto MU, Herzog AR. Informal caregiving time and costs for urinary incontinence among elderly individuals in the United States. *J Amer Geriatr Society* 2002; 50:733-737.

44. **Saint S**, Konrad TR, Golin C, Welsh D, Linzer M. Characteristics of general internists who practice only outpatient medicine: Results from the physician worklife study. *Seminars in Medical Practice* 2002; 5(1):5-11.
45. **Saint S**, Savel RH, Matthay MA. Enhancing the safety of critically ill patients by reducing urinary and central venous catheter-related infections. *American Journal of Respiratory and Critical Care Medicine* 2002; 165:1475-1479.
46. Piotrowski MM, **Saint S**, Hinshaw DB. The safety case management committee: Expanding the avenues for addressing patient safety. *The Joint Commission Journal on Quality Improvement* 2002; 28 (6):296-305.
47. Bent S, Nallamothu BK, Simel D, Fihn SD, **Saint S**. Does this woman have an acute, uncomplicated urinary tract infection? *JAMA* 2002; 287(20):2701-2710.
48. Chaiyakunapruk N, Veenstra DL, Lipsky BA, **Saint S**. Chlorhexidine compared with povidone-iodine solution for vascular catheter-site care: A meta-analysis. *Ann Intern Med* 2002; 136(11):792-801.
49. Bent S, **Saint S**. The optimal use of diagnostic testing in women with acute, uncomplicated cystitis. *Am J Med* 2002; 113(1A):20S-28S.
50. **Saint S**, Goold SD, Lipsky BA. Indwelling urinary catheters: The one-point restraint? *Ann Intern Med* 2002; 137(2):125-127.
51. Weise J, **Saint S**, Tierney LM, Jr. Using clinical reasoning to improve skills in oral case presentation. *Seminars in Medical Practice* 2002; 5(3):29-36.
52. Nallamothu BK, **Saint S**, Eagle K, Langa K, Fendrick AM, Hogikyan RV, Kelley K, Ramsey S. Coronary artery bypass grafting in octogenarians: Clinical and economic outcomes at community-based healthcare facilities. *Am J Managed Care* 2002; 8:749-755.
53. **Saint S**, Rose J, Lichter AS, Forrest S, McMahon LF. Shifting costs from high-cost to low-cost diagnosis-related groups? *Evaluations & The Health Professions* 2002; 25(3):259-269.
54. Nallamothu BK, Mehta RH, **Saint S**, Llovet A, Bossone E, Cooper JV, Sechtem U, Isselbacher EM, Nienaber CA, Eagle KA, Evangelista A. Syncope in acute aortic dissection: diagnostic, prognostic, and clinical implications. *Am J Med* 2002; 113:468-471.
55. Bliss S, Weinberger S, Meier M, **Saint S**. Clinical Problem-Solving: The unusual suspect. *New Engl J Medicine* 2002; 347(23):1876-1881.
56. Mangrulkar RS, **Saint S**, Chu S, Tierney LM. What is the role of the clinical "pearl"? *American Journal of Medicine* 2002; 113:617-624.
57. Langa KM, Fendrick AM, Flaherty K, Martinez F, Kabeto M, **Saint S**. Informal caregiving for chronic lung disease among older Americans. *Chest* 2002; 122(6):2197-2203.
58. Saha S, **Saint S**, Christakis DA. Impact factor: A valid measure of journal quality? *J Med Libr Assoc* 2003; 91(1):42-46.
59. Marciante K, Veenstra DL, Lipsky BA, **Saint S**. Which antimicrobial impregnated central venous catheter should we use? Modeling the costs and outcomes of antimicrobial catheter use. *Am J Infect Control* 2003; 31(1):1-8.

60. Collard HR, **Saint S**, Matthay MA. Prevention of ventilator-associated pneumonia: An evidence-based systematic review. *Ann Intern Med* 2003; 138:494-501.
61. Cornia PB, Amory JK, Fraser S, **Saint S**, Lipsky BA. Computer-based order entry decreases duration of indwelling urinary catheterization in hospitalized patients. *Am J Med* 2003; 114(5):404-406.
62. **Saint S**, Chenoweth CE. Biofilms and catheter-associated urinary tract infections. *Infect Dis Clinics North Am* 2003; 17:411-432.
63. Chaiyakunapruk N, Veenstra DL, Lipsky BA, Sullivan SD, **Saint S**. Vascular catheter site care: The clinical and economic benefits of chlorhexidine compared to povidone iodine solution. *Clin Infect Dis* 2003; 37:764-771.
64. Kachalia A, Shojania KG, Hofer TP, Piotrowski M, **Saint S**. Does full disclosure of medical errors affect malpractice liability? The jury is still out. *Joint Comm J on Qual and Safety* 2003; 29(10):503-511.
65. Dezfulian C, Lavelle J, Nallamothu BK, Kaufman SR, **Saint S**. Rates of infection in single lumen versus multilumen central venous catheters: A meta-analysis. *Crit Care Med* 2003; 31(9):2385-2390.
66. **Saint S**, Zemencuk JK, Hayward RA, Golin C, Konrad T, Linzer M. What effect does increasing inpatient time have on outpatient-oriented internist satisfaction? *J Gen Intern Med* 2003; 18(9):725-729.
67. Bliss SJ, Moseley RH, Del Valle J, **Saint S**. Clinical problem-solving: A window of opportunity. *New Engl J Med* 2003; 349(19):1848-1853.
68. **Saint S**, Higgins LA, Nallamothu BK, Chenoweth C. Do physicians examine patients in contact isolation less frequently? A brief report. *Am J Infect Control* 2003; 31(6):354-356.
69. Collard HR, Gruber MP, Weinberger SE, **Saint S**. Clinical problem-solving: Anatomy of a Diagnosis. *New Engl J Med* 2003; 349(10):987-992.
70. **Saint S**, Hofer TP, Rose J, Kaufman SR, McMahon LF. The use of critical pathways to improve efficiency: A cautionary tale. *Am J Managed Care* 2003; 9(11):758-765.
71. Sawalha AH, Bronze MS, **Saint S**, Blevins S, Kern W. Clinical problem solving: Step by Step. *N Engl J Med* 2003; 349(23):2253-2257.
72. Dhaliwal G, Schmidt KE, Gilden DJ, **Saint S**. True, true and related. *N Engl J Med* 2004; 350(1):60-65.
73. Hilliard AA, Weinberger SE, Tierney LM, Midthun DE, **Saint S**. Occam's Razor vs. Saint's Triad. *New Engl J Med* 2004; 350(6):599-603.
74. Bliss SJ, Flanders SA, **Saint S**. Clinical problem solving: A Pain in the Neck. *N Engl J Med* 2004; 350(10):1037-1042.
75. Cornia PB, Lipsky BA, Dhaliwal G, **Saint S**. Clinical problem solving: Red Snapper or Crab. *N Engl J Med* 2004; 350(14):1443-1448.
76. Patel UP, Hollander H, **Saint S**. Clinical problem solving: Index of Suspicion. *N Engl J Med* 2004; 350(19):1990-1995.

77. Hu KK, Lipsky BA, Veenstra DL, **Saint S**. Using maximal sterile barriers to prevent central venous catheter-related infection: A systematic evidence-based review. *AJIC* 2004; 350(23):2399-2404.
78. Jha AK, Shojania KG, **Saint S**. Clinical problem solving: Forgotten But Not Gone. *N Eng J Med*; 350(23):2399-2404.
79. Bent S, Shojania KG, **Saint S**. The Use of Systematic Reviews and Meta-Analyses in Infection Control and Hospital Epidemiology. *Am J Infection Cont* 2004; 32(4):246-254.
80. Parekh V, **Saint S**, Furney S, Kaufman S, McMahon L. What Effect Does Inpatient Specialty and Experience Have on Clinical Outcomes and Resource Utilization on an Academic General Medical Service? *J Gen Intern Med* 2004; 19(5):395-401.
81. Hu KK, Veenstra DL, Lipsky B, **Saint S**, Cost-Effectiveness of Maximal Sterile Barriers for the Prevention of Catheter-Related Bloodstream Infection. *Clin Infect Dis* 2004; 39:1441-1445.
82. Jannsen W, Dhaliwal G, Collard H, **Saint S**. Clinical problem solving: Why “Why” Matters. *N Engl J Med* 2004;351(23):2429-2434.
83. Fletcher KE, **Saint S**, Mangrulkar RS. Balancing Continuity of Care with Residents’ Limited Work Hours: Defining the Implications. *Acad Med* 2005; 80(1):39-43.
84. Fletcher KE, Davis SQ, Underwood W, Mangrulkar RS, McMahon LF, **Saint S**. Will Patient Safety Be Enhanced by Limiting Resident Work Hours? A Systematic Review of the Literature. *Ann Intern Med* 2004; 141(11):851-857.

Articles Accepted for Publication

1. Dezfulian C, Shojania KG, Collard HR, Kim HM, Matthay MA, **Saint S**. Subglottic Secretion Drainage for Preventing Ventilator-Associated Pneumonia: A Meta-Analysis. (In press).
2. Nallamotheu BK, Shojania KG, **Saint S**, Hofer TP, Humes HD, Moscucci M, Bates ER. Is Acetylcysteine Effective in Preventing Contrast-Related Nephropathy? A Meta-Analysis. *American Journal of Medicine* (in press) **Saint S**, Kaufman SR, Rogers MAM, Baker PD, Boyko EJ, Lipsky BA. Risk Factors for Nosocomial Urinary Tract-Related Bacteremia: A Case-Control Study (In press).
3. Kemper AR, Kennedy EJ, Dechert RE, **Saint S**. Hospital Readmission for Bronchiolitis. *Clin Pediatr*. (In press).
4. Hoffman RJ, Dhaliwal G, Gilden DJ, **Saint S**. Clinical Problem Solving: Special Cure. *N Engl J Med* (In press).

Peer-Reviewed Articles Submitted for Publication

1. Nallamotheu BK, **Saint S**, Hofer TP, Vijan S, Eagle KA, Bernstein SJ. Hospital Volume and Outcome In Coronary Artery Bypass Grafting: A Risk Paradox? (2003)
2. Leeper N, Wener L, Dhaliwal G, **Saint S**, Wachter RM. Clinical Problem Solving: One Surprise After Another. (2003)
3. Zemencuk JK, Hofer TP, Hayward RA, Moseley RH, **Saint S**. What Effect Does Physician “Profiling” Have on Inpatient Physician Satisfaction and Hospital Length of Stay? (2004)

4. **Saint S**, Kaufman SR, Rogers MAM, Baker PD, Boyko EJ, Lipsky BA. Risk Factors for Nosocomial Urinary Tract-Related Bacteremia: A Case-Control Study. (2004)
5. Mody L, Langa KM, **Saint S**, Bradley SF. Preventing Infections in Nursing Homes: A Survey of Infection Control Practices in Southeast Michigan. (2004)
6. **Saint S**, Kaufman SR, Thompson M, Rogers MAM, Chenoweth CE. The Use of a Urinary Catheter Reminder to Reduce Urinary Catheterization in Hospitalized Patients. (2004)
7. Dames S, Tonnerre C, **Saint S**, Jones S. Clinical problem solving: Don't Know Much About History. (2004)
8. Flanders SA, Kaufman SR, **Saint S**. Hospitalists As Emerging Leaders in Patient Safety: Targeting a Few to Affect Many. (2004)
9. Kaul DR, Flanders SA, **Saint S**. Clinical problem solving: Clear as Mud. (2004)

Non-Peer-Reviewed Publications

1. **Saint S**, Go AS, Tierney Jr. LM. Case records of the Massachusetts general hospital: A home-court advantage?[letter – in reply] New Engl J Med, 1996; 334(3):197.
2. Tierney LM, Whooley MA, **Saint S**. Oxygen saturation: a fifth vital sign?[Commentary] West J Med. 1997; 166:285-286.
3. **Saint S**, Fendrick AM. Economic immunity in the intensive care unit: continued support or pull the plug? [Editorial] Intensive Care Med, 1999; 25:345-347.
4. **Saint S**. Case-of-the-Month. Am J Med 1999; 107:98.
5. Matthay M, **Saint S**. Reducing risk in the ICU: Venous thromboembolism. J Crit Illness, 1999; 14(8):452-455.
6. Matthay M and **Saint S**. Reducing risk in the ICU: Stress-related upper gastrointestinal bleeding. J Crit Illness, 1999;14(10):569-570.
7. Matthay MA, **Saint S**. Reducing risk in the ICU: Vascular catheter-related infections. J Crit Illness, 1999; 14(12):684-686.
8. Fisk DT, **Saint S**, Tierney LM. Back to the basics [letter - in reply]. New Engl J Med, 1999; 341(27):2100.
9. **Saint S**. Risk reduction in the intensive care unit [letter - in reply]. Am J Med, 1999; 107(5):532.
10. **Saint S**. The efficacy of silver alloy-coated urinary catheters in preventing urinary tract infection [letter - in reply]. Am J Med, 1999; 107(5):535.
11. Saha S, **Saint S**, Tierney LM. Clinical problem solving: A balancing act [letter – in reply]. New Engl J Med, 1999; 341(2):130.
12. Veenstra DL, Sullivan SD, **Saint S**. Central venous catheters and bloodstream infection [letter – in reply]. JAMA, 2000; 283(4):478-479.
13. Hirsch GA, **Saint S**, Chey WD. Case-of-the-Month. Am J Med 2000; 109:65.
14. **Saint S**. How to prevent urinary catheter-related infections in the critically ill. J Crit Illness 2000; 15(8):419-423.

15. Nallamothu BK, **Saint S**, Rubenfire M, Fendrick AM. Electron beam computed tomography in the diagnosis of obstructive coronary artery disease [letter]. *J Am Coll Card*, 2001; 37(2):689-690.
16. **Saint S**, Fendrick AM. Economic evaluation: A brief overview. *Clin Researcher* 2001;1(2):36-39.
17. Nallamothu BK, **Saint S**, Bielak LF, et al. Electron-beam computed tomography in the diagnosis of coronary artery disease: a meta-analysis. [letter-in reply] *Arch Intern Med*, 2001; 161:833-838.
18. Nallamothu BK, **Saint S**, Rubenfire M, Fendrick AM. Electron-beam computed tomography as a population screening tool [letter] *Arch Intern Med*, 2001; 161(21): 2625.
19. **Saint S**. Do silver alloy catheters increase the risk of systemic argyria? [letter-in reply] *Arch Intern Med*, 2001; 161(7):1015.
20. Ahn A, Nallamothu B, **Saint S**. "We're jinxed" - are residents' fears of being jixed during an on-call day founded? [letter] *Am J Med*, 2002; 112(6):504.
21. Wachter RM, Shojania KG, **Saint S**, Markowitz AJ, Smith M. Learning from our mistakes: quality grand rounds, a new case-based series on medical errors and patient safety. [editorial] *Annals of Internal Medicine*, 2002; 136(11):850-852.
22. Cram P, Nallamothu BK, Fendrick AM, **Saint S**. Fast food franchises in hospitals. [research letter] *JAMA*, 2002; 287(22):2945-6.
23. Nallamothu BK, **Saint S**, Eagle KA. Volume and outcome. [letter] *New England Journal of Medicine*, 2002; 347(9):693-696.
24. Chenoweth CE, **Saint S**. Prophylactic methenamine reduced the risks of bacteriuria and urinary tract infection after gynecological surgery. [commentary] *Evidence-based Obstetrics and Gynecology*, 2003; 5:30-31.
25. Nallamothu BK, Eagle KA, **Saint S**. Coronary artery bypass surgery, hospital volume, and risk. *Circulation*, 2003;108(1):e6-7; author reply e6-7.
26. **Saint S**, Flanders SA. Hospitalists in Teaching Hospitals: Opportunities but not without danger. [editorial] *J Gen Intern Med*, 2004;19:392-393.
27. Piotrowski M, **Saint S**. Anatomy of an error: dissecting an adverse event in order to enhance patient safety. *Patient Supplement to the Hospitalist* 2004;21-25.
28. Piotrowski M, Cohen M, Mercier J, **Saint S**, Steinbinder A, Thompson M. Introducing the national patient safety goals department: Sharing programs of excellence from individual organizations. *Joint Commission Journal on Quality and Patient Safety*, 2005;31(1):43-46.
29. **Saint S**, Kaufman, SR, Rogers MAM. Transforming ideas into action: The patient safety enhancement program. *The Hospitalist* 2004; 8(6):15-18.

Books:

1. **Saint S**, Frances C (Authors). Saint-Francis Guide to Inpatient Medicine. Williams & Wilkins, Baltimore, Maryland, 1997. (533 pages)
2. Tierney LM, **Saint S**, Thompson C, Whooley MA (Authors). Pocket Guide to the Essentials of Diagnosis & Treatment. Appleton & Lange, Norwalk, Connecticut, 1997. (514 pages)

3. Frances C, Bent S, **Saint S** (Authors). Saint-Francis Guide to Outpatient Medicine. Lippincott Williams & Wilkins, Baltimore, Maryland, 2000. (713 pages)
4. McCarthy MA and O'Malley MB (Authors); **Saint S** (Series Editor). Saint-Francis Guide to Psychiatry. Lippincott Williams & Wilkins, Baltimore, Maryland, 2001. (279 pages)
5. Tierney LM, **Saint S**, Whooley MA (Authors). Essentials of Diagnosis & Treatment (2nd edition). McGraw-Hill, New York, New York, 2002 (525 pages)
6. **Saint S**, Frances C (Authors). Saint-Francis Guide to Inpatient Medicine (2nd edition.) Lippincott Williams & Wilkins, Baltimore, Maryland, 2004 (520 pages)

Book Chapters:

1. **Saint, S**. America's Best Colleges - University of California at Irvine, In Fischgrund T(Ed): Barron's Top Fifty - An Inside Look at America's Best Colleges, Barron's Educational Series, 1991, p 391-403.
2. **Saint S** (Reference editor). In Tierney LM, McPhee SJ, Papadakis MA (Ed): Current Medical Diagnosis and Treatment (36th Edition). Appleton & Lange, Norwalk, Connecticut, 1997.
3. **Saint S**, Veenstra DL, Sullivan SD. "The Use of Meta-analysis in Cost-Effectiveness Analysis." In Mallarkey G (Editor): Economic Evaluation in Healthcare. Adis International, Auckland, NZ, 1999, p 25-32.
4. Eisner MD, Matthay MA, **Saint S**. "Prevention of Nonpulmonary Complications of Intensive Care." In George RB, Light R, Matthay R, Matthay MA (Editors): Chest Medicine- Essentials of Pulmonary and Critical Care Medicine, 4th Ed. Lippincott Williams & Wilkins, Baltimore, Maryland, 2000, p 639-653.
5. **Saint S**. "Prevention of Nosocomial Urinary Tract Infections." In: Making Health Care Safer: A Critical Analysis of Patient Safety Practices. Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 149-162.
6. **Saint S**. "Prevention of Intravascular Catheter-Associated Infections." In: Making Health Care Safer: A Critical Analysis of Patient Safety Practices. Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 163-184.
7. Collard H, **Saint S**. "Prevention of Ventilator-Associated Pneumonia." Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 185-198.
8. Flanders SA, Collard HR, **Saint S**. "Preventing Nosocomial Pneumonia." Lautenbach E, Woeltje K, editors. Practical Handbook for Healthcare Epidemiologists, 2nd Ed; 2004, p 69-78.
9. Fine PA, **Saint S**. "Dysuria." Tierney LM, Henderson MC, editors. The Patient History – Evidence Based Approach, 1st Ed; 2005, p 349-354.

Abstracts, Preliminary Communications, Panel Discussions

1. **Saint S**, Elmore JG, Sullivan SD, Emerson SS, Koepsell TD. Preventing Urinary Tract Infection Using Silver-Coated Urinary Catheters. J Gen Intern Med. Abstract, Vol. 13 (Supplement 1), p. 22, 1998. Presented at Society of General Internal Medicine 21st Annual Meeting, April, 1998.

2. **Saint S**, Scholes D, Fihn SD, Farrell RG, Stamm WE. The Effectiveness of a Clinical Practice Guideline for the Management of Uncomplicated Urinary Tract Infection In Women. J Gen Intern Med. Abstract, Vol 13 (Supplement 1), p.50, 1998. Presented at Society of General Internal Medicine 21st Annual Meeting, April, 1998.
3. **Saint S**, Veenstra DL, Sullivan SD, Chenoweth C, Fendrick AM. The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection. J Gen Intern Med. Abstract, Vol 14 (Supplement 2), p.68, 1999. Presented at Society of General Internal Medicine 22nd Annual Meeting, April, 1999.
4. Konrad TR, **Saint S**, Linzer M and SGIM Career Satisfaction Study Group. Hospitalism and Internists' Job satisfaction: Different Strokes for Different Cloaks. J Gen Intern Med. Abstract, Vol 14 (Supplement 2), p.105, 1999. Presented at Society of General Internal Medicine 22nd Annual Meeting, April, 1999.
5. **Saint S**, Christakis DA, Saha S, Elmore JG, Welsh DE, Baker P, Koepsell TD. Do Physicalns Judge a Study by Its Cover? J Gen Intern Med. Abstract, Vol 14 (Supplement 2), p.119, 1999. Presented at Society of General Medicine 22nd Annual Meeting, April, 1999.
6. Veenstra DL, **Saint S**, Sullivan SD. Are Antiseptic-impregnated Central Venous Catheters Cost-effective? Infection Control and Hospital Epidemiology. Abstract, Vol 20(4):282, 1999. Poster presented at the Ninth Annual Scientific Meeting of the Society for Healthcare Epidemiology of America, April, 1999.
7. Veenstra DL, Lipsky BA, **Saint S**. The Cost-Effectiveness of Minocycline/Rifampin vs. Chlorhexidine/Silver Sulfadiazine Central Venous Catheters. Am J Infect Cont. Abstract. Vol 29(1), p. 78, 2000. Presented at the 4th Decennial International Conference on Nosocomial and Healthcare-Associated Infections, March, 2000.
8. **Saint S**, Wiese J, Amory J, Bernstein M, Patel U, Zemencuk J, Bernstein SJ, Hofer TP. Physician Unawareness of Urinary Catheters in Their Patients: If You Don't Ask, They Won't Tell. Am J Infect Cont. Abstract, Vol 29(1), p. 94, 2000. Presented at the 4th Decennial International Conference on Nosocomial and Healthcare-Associated Infections, March, 2000.
9. Nallamotheu BK, Fendrick AM, Rubenfire M, **Saint S**, Bandekar RR, Omenn GS. The Potential Clinical and Economic Effects of Homocysteine Lowering: A Decision Analysis. J Gen Intern Med. Abstract, Vol: 15(supplement 1), p. 86, 2000. Presented at the Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.
10. **Saint S**, Hofer TP, Rose J, McMahon LF. Critical Pathways: Separating the Wheat from the Chaff. J Gen Intern Med. Abstract, Vol 15(supplement 1), p. 142, 2000. Presented at the Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.
11. **Saint S**, Weise J, Amory J, Berstein ML, Patel U, Zemencuk JK, Berstein SJ, Lipsy BA, Hofer TP. Lack of Physician Awareness of Urinary Catheters in their Patients: Ignorance is Not Bliss. J Gen Intern Med. Abstract, Vol 15(supplement 1), p. 143, 2000. Presented at the Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.
12. Invited participant - CDC/Emory Workshop "Measuring the Economic Costs of Antimicrobial Resistance in Health Care Settings," Atlanta, GA, November 2000.
13. Bent S, Nallamotheu B, **Saint S**. Does This Woman Have an Acute Uncomplicated Urinary Tract Infection: A Systematic and Quantitative Analysis. J Gen Intern Med. Abstract, Vol

- 16(supplement 1), p. 118, 2001. Presented at the Society of General Internal Medicine 24th Annual Meeting, San Diego, CA, May 2001.
14. Marciante KD, Veenstra DL, Lipsky BA, **Saint S**. Which Antimicrobial Central Venous Catheter Should We Use? J Gen Intern Med. Abstract, Vol 16(supplement 1), p. 170, 2001. Presented at the Society of General Internal Medicine 24th Annual Meeting, San Diego, CA, May 2001.
 15. Ahn AC, Nallamothu B, **Saint S**. "We're Jinxed!" - Are Resident's Fears Founded? J Gen Intern Med. Abstract, Vol 16(supplement 1), p. 185, 2001.
 16. Higgins L, **Saint S**, Nallamothu B, Chenoweth C, Holmes H. Do Physicians Examine Patients Under Contact Precautions Less Frequently? J Gen Intern Med. Abstract, Vol 16(supplement 1), p. 200, 2001. Presented at the Society of General Internal Medicine 24th Annual Meeting, San Diego, CA, May 2001.
 17. **Saint S**, Lark R, Chenoweth C, Zemencuk J, Lipsky BA, Plorde JJ. Four-year Prospective Evaluation of Community-acquired Bacteremia. J Gen Intern Med. Abstract, Vol 16(supplement 1), p. 170, 2001. Presented at the Society of General Internal Medicine 24th Annual Meeting, San Diego, CA, May 2001.
 18. Cornia PB, Amory JK, Fraser S, **Saint S**, Lipsky BA. Computer-based order entry decreases duration of indwelling urinary catheterization in hospitalized patients. Clin Infec Dis. 2001; 33:1225.
 19. Veenstra DL, Lipsky BA, Sullivan SD, **Saint S**. The Clinical and Economic Benefits of Chlorhexidine Compared to Povidone-Iodine for Vascular Catheter Site Care. J Gen Intern Med. Abstract, Vol 17 (supplement 1), p. 136, 2002. Presented at the Society of General Internal Medicine 25th Annual Meeting, Atlanta, GA, May 2002.
 20. **Saint S**, Flaherty K, Martinez F, Abrahamse A, Fendrick AM. Impact of Underlying Health Status on the Cost Effectiveness of Initial Antibiotic Therapy for Patients Presenting with Acute Exacerbation of Chronic Bronchitis. J Gen Intern Med. Abstract, Vol 17 (supplement 1), p. 140, 2002. Presented at the Society of General Internal Medicine 25th Annual Meeting, Atlanta, GA, May 2002.
 21. Hofer TP, Kaufman SR, **Saint S**, Fendrick AM. The Impact of Weekend Admission on Hospital Length of Stay. J Gen Intern Med. Abstract, Vol 18 (supplement 1), p. 188, 2002. Presented at the Society of General Internal Medicine 25th Annual Meeting, Atlanta, GA, May 2002.
 22. **Saint S**, Kaufman S, Thompson M, Rogers M, Chenoweth C. The Use of a Urinary Catheter Reminder to Reduce Urinary Catheterization in Hospitalized Patients. Value in Health. Abstract, Vol 6 (number 6), p. 699, 2003. Presented at ISPOR Sixth Annual European Congress, Barcelona, Spain, November 2003.